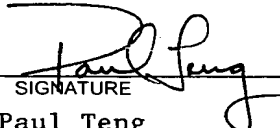


<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>1141/74066</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP2003/011700</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/527226</b>
INTERNATIONAL FILING DATE <b>12 September 2003</b>		PRIORITY DATE CLAIMED <b>12 September 2002</b>
TITLE OF INVENTION <b>BLOOD FLOW DYNAMIC ANALYZING APPARATUS AND METHOD, AND IMAGE DIAGNOSING APPARATUS</b>		
APPLICANT(S) FOR DO/EO/US <b>Yasuo OMI, Osamu MIYAZAKI and Masahiko AOYAGI</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).               <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p style="margin-left: 20px;">Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <b>See attached Page 3.</b></li> </ol>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/527226</b>		INTERNATIONAL APPLICATION NO. PCT/JP2003/011700		ATTORNEY'S DOCKET NUMBER 1141/74066	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				\$ 200.00	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				\$ 500.00	
<b>TOTAL OF 21, 22 and 23 =</b>				<b>\$ 1,000.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(n)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	30 - 20 =	10	x \$ 50	\$ 500.00	
Independent claims	3 - 3 =	0	x \$200	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 0	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 1,500.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>\$ 1,500.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 1,500.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 1,500.00</b>	
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,500.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>03-3125</u> A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Customer Number 23432 Ivan S. Kavrukov, Esq. Cooper &amp; Dunham LLP 1185 Avenue of the Americas New York, New York 10036</p>					
				SIGNATURE 	
				NAME Paul Teng	
				REGISTRATION NUMBER 40,837	

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Yasuo OMI, Osamu MIYAZAKI and Masahiko AOYAGI

Serial No.: Not Yet Known

Int'l Appl'n No.: PCT/JP2003/011700

Date Filed: Concurrently Herewith

Int'l Appl'n Filing Date: 12 September 2003

For: BLOOD FLOW DYNAMIC ANALYZING APPARATUS AND METHOD, AND  
IMAGE DIAGNOSING APPARATUS

**Page 3 of Transmittal Letter To The United States Designated/Elected Office  
(DO/EO/US) Concerning A Submission Under 35 U.S.C. 371**

20. Other items or information:

copy of PCT Publication No. WO 2004/024001 A1, including International Search Report, copy of PCT Request, copy of Notification Of Receipt Of Record Copy, copy of Notification Concerning Submission Or Transmittal Of Priority Document, copy of Notice Informing The Applicant Of The Communication Of The International Application To The Designated Offices, copy of PCT Demand Under Chapter II (form PCT/IPEA/401), copy of Notification Of Transmittal Of International Preliminary Examination Report (form PCT/IPEA/416), copy of Information Concerning Elected Offices Notified Of Their Election and copy of Written Opinion (form PCT/IPEA/408).

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Yasuo OMI, Osamu MIYAZAKI and Masahiko AOYAGI

Serial No.: Not Yet Known

Int'l Appl'n No.: PCT/JP2003/011700

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IMAGE DIAGNOSING APPARATUS

**Mail Stop PCT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

ATTN: DO/EO/US

Sir:

**EXPRESS MAIL LETTER OF TRANSMITTAL**

Express Mail mailing label number: EV487073971US

Date of Deposit: March 10, 2005

I hereby certify that the above-identified new application of Yasuo OMI et al., consisting of three pages of the Transmittal Letter To The United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371 (in duplicate), an English-language translation of the International Application as filed [including 25-page specification with claims 1-30, Abstract and 11 sheets of formal drawings (Figs. 1-13)], Information Disclosure Statement (including Form PTO-1449 and copy of reference), Preliminary Amendment, copy of PCT Publication No. WO 2004/024001 A1, including International Search Report, copy of PCT Request, copy of Notification Of Receipt Of Record Copy, copy of Notification Concerning Submission Or Transmittal Of Priority Document, copy of Notice Informing The Applicant Of The Communication Of The International Application To The Designated Offices, copy of PCT Demand Under Chapter II (form PCT/IPEA/401), copy of Notification Of Transmittal Of International Preliminary Examination Report (form PCT/IPEA/416), copy of Information Concerning Elected Offices Notified Of Their Election and copy of Written Opinion (form PCT/IPEA/408), a check in the amount of \$1,500.00 and return stamped postcard, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, ATTN: DO/EO/US.

*Jamel Rhabb*  
Jamel Rhabb

Mail Room Employee

Depositing Express Mail Material

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